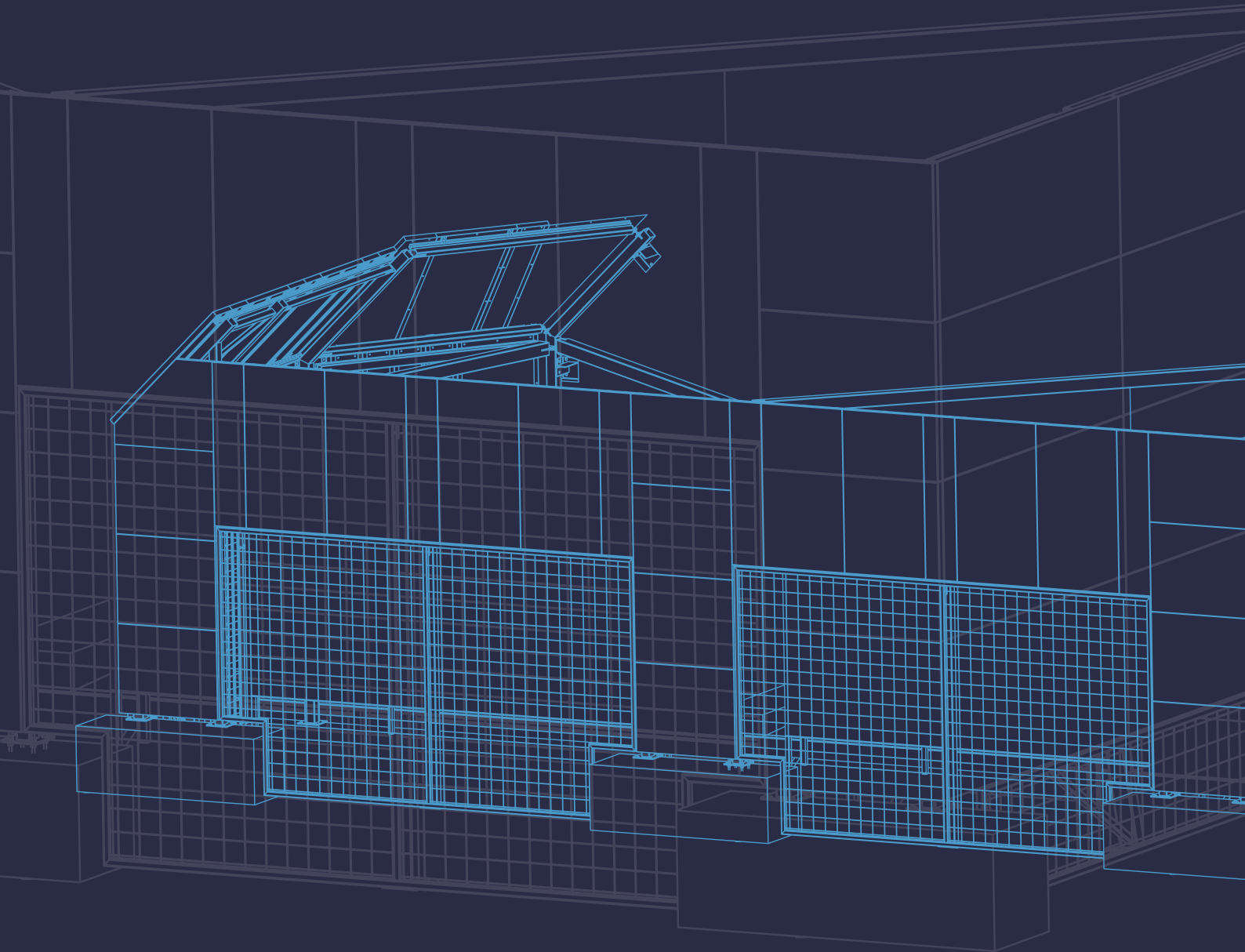


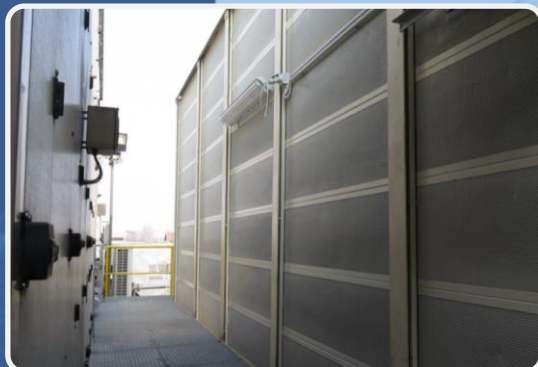
NOISEPROOFING SOLUTIONS

# NOISEPROOFING PANELS P

## TECHNICAL DATA SHEET



## NOISE-PROOFING PANEL P-53



### DIMENSIONS:

Thickness: 53 mm

Width: 320 and 820 mm

Length: 1000, 1500 and 2000 mm

Possibility to deliver atypical dimensions.

### MATERIAL COMPOSITION:

steel sheet, acoustic layers

### COLOR OPTIONS:

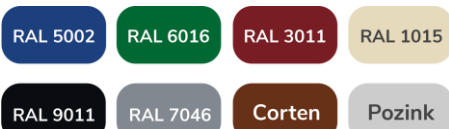
Interior application:

powder coating

Exterior application:

powder coating,

galvanized steel sheet



### DESCRIPTION:

The noise-proofing panel P-53 is the most used panel from the entire P series. Because of its composition, it provides the necessary noise reduction in two ways. The combination of internal layers help the sound insulation of the panel and its one-sided perforation ensures the absorption of sound energy from the noise source. The panel is designed to be compatible with any AKUSYSTEM product.

### APPLICATION:

The noise-proofing panel P-53 is used mainly for the construction of noise-proofing barriers technological equipment in the exterior (HVAC units, coolers, air conditioning units, pumps, etc.). It is used in industrial operations in the interior, where it ensures the creation of a protected space for workers in the form of dividers.

### ASSEMBLY:

The possibility of using a typical **KAS** construction, an atypical construction **KAT** or the panels can be mounted on the framework designed by the customer during the installation of the noise-proofing barrier.

## PANEL

# P



### ACOUSTIC PROPERTIES

$R_w = 37,1$  dB (according to ISO 140/3)\*

Frequency (Hz)	63	80	100	125	160	200	250	315	400	500
R (dB)	15,40	21,30	16,30	20,60	21,90	21,10	24,50	26,50	30,40	34,30
Frequency (Hz)	630	800	1000	1250	1600	2000	2500	3150	4000	5000
R (dB)	37,50	41,30	44,70	46,30	49,40	51,20	52,00	54,60	56,30	55,10

$\alpha_w = 0,75$  (according to ISO 354)\*\*

Frequency (Hz)	63	125	250	500	1000	2000	4000
$\alpha_s$	0,07	0,18	0,51	0,81	0,82	0,78	0,86

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## NOISE-PROOFING PANEL P-80



### DESCRIPTION:

Because of its composition noise-proofing panel P-80, provides the necessary noise reduction in two ways. The combination of internal layers helps sound insulation of the panel and its one-sided perforation ensures the absorption of sound energy from the noise source. The panel is designed to be compatible with any AKUSYSTEM product.

### DIMENSIONS:

Thickness: 80 mm

Width: 320 and 820 mm

Length: 1000, 1500 and 2000 mm

Possibility to deliver atypical dimensions.

### MATERIAL COMPOSITION:

steel sheet, acoustic layers

### COLOR OPTIONS:

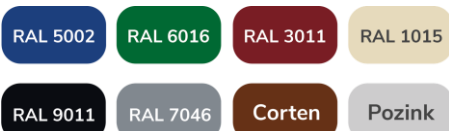
Interior application:

powder coating

Exterior application:

powder coating,

galvanized steel sheet



### APPLICATION:

The noise-proofing panel P-80 is usually used to produce noise-proofing enclosures and covers. This panel most often reduces the noise of production technologies, pumps or pressing equipment, where noise-proofing enclosures and covers represent the most effective noise reduction solution. The enclosure doors are also made with the noise-proofing panel P-80.

### ASSEMBLY:

The panels can be mounted on the supporting framework horizontally or vertically. Repeatable assembly and disassembly of the panels is possible using the pre-prepared M8 anchoring threads.

## PANEL

# P



### ACOUSTIC PROPERTIES

$R_w = 39,8$  dB (according to STN EN ISO 717-1:2013)\*

Frequency (Hz)	63	80	100	125	160	200	250	315	400	500
R (dB)	23,50	24,70	20,00	27,10	29,10	26,10	28,00	29,90	31,10	32,90
Frequency (Hz)	630	800	1000	1250	1600	2000	2500	3150	4000	5000
R (dB)	38,60	42,90	48,30	51,00	53,90	53,70	55,40	56,90	56,80	56,40

$\alpha_w = 0,75$  (according to STN EN ISO 354; STN EN ISO 11654)\*\*

Frequency (Hz)	63	125	250	500	1000	2000	4000
$\alpha_s$	0,07	0,18	0,51	0,81	0,82	0,78	0,86

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## NOISE-PROOFING PANEL P-120



### DESCRIPTION:

The noise-proofing panel P-120 achieves the highest sound insulation values of the entire range of P panels. Because of its composition, it provides the necessary noise reduction in two ways. The combination of internal layers helps the sound insulation of the panel, and its one-sided perforation ensures the absorption of sound energy from the noise source. The panel is designed to be compatible with any AKUSYSTEM product.

### DIMENSIONS:

**Thickness:** 120 mm

**Width:** 320 and 820 mm

**Length:** 1000, 1500 and 2000 mm

Possibility to deliver atypical dimensions.

### MATERIAL COMPOSITION:

steel sheet, acoustic layers

### COLOR OPTIONS:

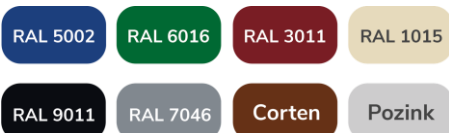
**Interior application:**

powder coating

**Exterior application:**

powder coating,

galvanized steel sheet



### APPLICATION:

The noise-proofing panel P-120 is used mainly to produce noise-proofing enclosures and covers, where highest demand for noise reduction is required. This panel most often reduces the noise of pressing equipment, pumps compressors and other production technologies. This panel is also used in the noise-proofing of stage technology and to produce roll door and telescopic theater doors.

### ASSEMBLY:

The panels can be mounted on the supporting framework horizontally or vertically. Repeatable assembly and disassembly of the panels is possible using the pre-prepared anchoring system.

## PANEL

# P



### ACOUSTIC PROPERTIES

$R_w = 51,6$  dB (according to STN EN ISO 717-1:2013)\*

Frequency (Hz)	63	80	100	125	160	200	250	315	400	500
R (dB)	20,60	21,70	21,50	29,60	36,20	37,00	41,20	47,80	49,60	49,70
Frequency (Hz)	630	800	1000	1250	1600	2000	2500	3150	4000	5000
R (dB)	51,50	55,70	57,50	59,50	61,80	62,20	63,70	65,60	65,30	65,20

$\alpha_w = 0,75$  (according to STN EN ISO 354; STN EN ISO 11654)\*\*

Frequency (Hz)	63	125	250	500	1000	2000	4000
$\alpha_s$	0,07	0,18	0,51	0,81	0,82	0,78	0,86

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